

is interesting to those only familiar with the ordinary sequence. The intercalation of Apetalæ among Polypetalæ has long been a much desired change, and it is a good thing to have it put in this concrete way and applied to our North American plants. The changes in generic and specific nomenclature are mostly such as Professor Greene has already indicated in previous papers.

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## OPEN LETTERS.

### The new herbarium pest.

In reference to the article in the December number, 1891, by Prof. C. V. Riley on the "New Herbarium Pest," let me add my experience. Today in looking over duplicates four of the geometrid larvæ were found on *Aphyllon Ludovicianum* collected in this county in June, 1890. A few drops of a pretty strong solution of corrosive sublimate and arsenic in diluted alcohol were dropped on each. During an examination of the plants for more larvæ or eggs, in about twenty minutes, the liquid had evaporated, and the paper being again dry, I observed to my dismay the little surveyors stretch and move again, slowly at first, but in about five minutes as actively as before their bath. They are now bottled for observations. This extraordinary tenacity of life increases the formidability of this pest.—DR. H. E. HASSE, *Santa Monica, Calif.*

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## NOTES AND NEWS.

THE STATE OF KANSAS is spending \$3500 in spreading the entomophthoral disease of chinch bugs under the direction of Professor F. H. Snow.

PROFESSOR W. C. WILLIAMSON, until recently at Owen's College, Manchester, has changed his residence to 43 Elms Road, Clapham Common, London.

DR. SERENO WATSON died March 9th, at his home in Cambridge, Mass., after a prolonged illness resulting from an attack of "la grippe." No tidings since the death of Dr. Gray will cause botanists profounder sorrow than this.

DR. THOMAS TAYLOR, the United States microscopist, is said to be preparing models of fungi for the Columbian Exposition, to include all the edible varieties of the United States.

THE DECEMBER NUMBER of the *Microscopical Bulletin* contains a very fine photogravure of *Bacillus tuberculosis* made from a photograph taken with Queen's 1-15 homogeneous immersion lens.

THE UNIVERSITY EXTENSION work of the State University of Iowa embraces twelve lectures on "world-making," four of which are devoted to plants. The botanical lectures are given by Professor T. H. McBride.